



SEQUENCE LISTING

<110> Viney, Joanne L.
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DuBose, Robert F.
Hasel, Karl W.
Hilbush, Brian S.
Buchner, Robert R.

<120> Gene Expression Modulated In Gastrointestinal Inflammation

<130> 216019-40

<140> US 10/009,062

<141> 2000-06-09

<150> 60/138,487

<151> 1999-06-12

<150> PCT/US00/15973

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<220>
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<210> 29
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<212> DNA
<213> Mus musculus

<220>
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<212> DNA
<213> Mus musculus

<220>
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<220>
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<223> N stands for A, C, G or T

<220>
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<222> (48)..(48)
<223> N stands for A, C, G or T

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gcaacgcaag ttcatacagcc acatcaagtg cagaaacgcc ctgaagctgc agaaagggaa 180
gaagtacctc atgtggggcc tctcctctga cctctgggga gaaaagccca acaccagcta 240
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gaagtaccag aaacagtgcg aagaacttgg ggcattcaca gaatctatgg tggtttatgg 360
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<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<223> IMX2_12

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atgcagaaaa a 191

<210> 32
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<212> DNA
<213> Mus musculus

<220>
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<223> IMX2_13

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<210> 33
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<212> DNA
<213> Mus musculus

<220>
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aaccceaaaa a 311

<210> 34
<211> 138
<212> DNA
<213> Mus musculus

<220>
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gaaattctgt cccaaaaa 138

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<211> 99
<212> DNA
<213> Mus musculus

<220>
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gcctcactgg attagaggct ctgctctaca ggataaaaa 99

<210> 36

<211> 109
 <212> DNA
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<220>
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 <223> IMX2_23

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<210> 37
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 <212> DNA
 <213> Mus musculus

<220>
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<400> 37
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 aatctacttc agtaaacttc tcactctgcc agccaagtga gggctctgagc tcagccaacc 180
 cctactgtct ctcgagacct cctactctac ttgaagggtg gagctgttcc ttcttgggac 240
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 gcttacccaa aaa 313

<210> 38
 <211> 325
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <223> IMX2_25

<400> 38
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 gtctcacctt cttgaagaac gtgtcctcca catgtgctgc cagtcctccc acagacatcc 180

| | |
|---|-----|
| taaccttcac catccccccc tcctttgccg acatcttcct cagcaagtcc gctaacctga | 240 |
| cctgtctggt ctcaaacctg gcaacctatg aaaccctgga tatctcctgg gcttctcaaa | 300 |
| gtggtgaacc actggaaacc aaaaa | 325 |

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 <211> 294
 <212> DNA
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<220>
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 <223> IMX2_26

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|---|-----|
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| cttcaagctc ctgagccact gcctgctggt gaccttggt agccaccacc ctgccgattt | 120 |
| cacccccgcg gtgcatgcct ctctggataa attccttgcc tctgtgagca ccgtgctgac | 180 |
| ctccaagtac cgtaaagctg ccttctgcgg ggcttgccct ctggccatgc ctttcttctc | 240 |
| tccctgcac ctgtacctct tggctcttga ataaagcctg agtaggaata aaaa | 294 |

<210> 40
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<220>
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| gagtgaagtg caggacagcc agggctacac aaagaagccc tgtcttgaga gacaaaaacc | 120 |
| ccaatctaac caaacaacac caaaaaacaa caaaaaaaca aaacccaaac aaaacaggtt | 180 |
| tttgggaatg ggttgtagtt cagaacactt gtctaataatg ggcaatgctc tgggttccat | 240 |
| ctcagcatta cagaaattaa taaaaaacta ttttgggcat aataaaaa | 288 |

<210> 41
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 <212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<223> IMX2_39

<400> 41

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actcatagga cctctaatac tctgtaaaaa aggttctcta tataaggaaa aa 172

<210> 42

<211> 39

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<223> IMX2_40

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<210> 43

<211> 150

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<223> IMX2_42

<400> 43

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tcacacatta tatttccaag aatccagccc ttcaaaggat aataacagga aaaaaaaca 120

tacaaggaca gaaatcatgc cctagaaaaa 150

<210> 44

<211> 29

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<223> IMX2_51

<400> 44
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<210> 45
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 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <223> IMX2_52

<400> 45
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 cccccccggt gtgcatgcct ctctggataa attccttgcc tctgtgagca ccgtgctgac 180
 ctccaagtac cgtaaagctg ccttctgcgg ggcttgccct ctggccatgc ctttcttctc 240
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<210> 46
 <211> 283
 <212> DNA
 <213> Mus musculus

<220>
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 <223> IMX2_53

<400> 46
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 cactggtcag ctctatgata acccttgcca cacttagagc aaagagtga agtccctccc 180
 tgtttatctg gagctctgca atctttctta aaatgcccag gctttccgca attaaaacat 240
 gtcctctgat catttctgct catggagcgg ttctgagatt gga 283

<210> 47
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 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <223> IMX2_58

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 tcactctagg acaagagcag gattcctatg ggggaaatct tgatgcaaag caatcctttg 180
 ttggggagat atgggatgtt tccttgtggg accatgtggt cccctagaa aaggtatcag 240
 acagctgtaa caatggcaac cttataaact ggcaagctct taattatgaa gacaatggct 300
 atgtggtgac taagcccaaa ctgtggcctt aagctaattg ctctatgaaa tataagtctg 360
 cttttggttc tgttaaaatg ataatgtgca ttgcattaaa aaagcaaaga aatgtgaaaa 420
 a 421

<210> 48
 <211> 271
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <223> IMX2_59

<400> 48
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 caccctgagg aagcccacag tgttcaccog tgtctcagcc ttcattgact ggattgagga 180
 gaccattgcc aacaactaga tccaaggttc ggctggcaga gaggaccccc aggtcctcta 240
 aagaataaag acctttctga aagcctaaaa a 271

<210> 49
 <211> 418
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <223> IMX2_60

<400> 49
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 atcactctag gacaagagca ggattcctat gggggaaatt ttgatgcaaa gcaatccttt 180
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 gacagctgta acaatggcaa ccttataaac tggcaagctc ttaattatga agacaatggc 300
 tatgtggtga ctaagcccaa actgtggcct taagctaatt gctctatgaa atataagtct 360
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<210> 50
 <211> 352
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <223> IMX2_1

<400> 50
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 agcaccctga tgggcacccc agctggagcc tccaaactac accaactcac caccctctgc 180
 ctctccctc taccccaaga gcctacagag tgatcaacat gaaagaatcc tgaaaggaag 240
 aggccactgg agggagtcag gcttaaggct aatggctctc ccaccctggg gagagaggtc 300
 tccctaggca ctgctgtggc tggtcagata aatccacatg gtctctcaaa aa 352

<210> 51
 <211> 135
 <212> DNA
 <213> Mus musculus

<220>
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 <223> IMX2_65

<400> 51
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ctgggttacc aaaaa

135

<210> 52
<211> 186
<212> DNA
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<220>
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<400> 52
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ggccaccgct ggactgagt atcgttcctt cttccactg taataaatgc cagtttctac 180
taaaaa 186

<210> 53
<211> 216
<212> DNA
<213> Mus musculus

<220>
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<223> IMX2_68A

<400> 53
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tctccagtct aaccgcctg atgtacatct actatttcca ggagagtctg ctcccagaca 120
ctctgccttt ccctccaaaa ccctctcact cccagctcgt gcaaactggt tacacagcag 180
aaacgcaaaa taaagagggt gctttcgcgg caaaaa 216

<210> 54
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<223> IMX2_68B

<400> 54
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 gtctacagct cctgcttgag tttctgtgga gttgtccccc cccccccagg gtggtgttgc 180
 tcactgtaat aaacatgatt aatagctggc taaaaa 216

<210> 55
 <211> 100
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <223> IMX2_69

<400> 55
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 agacatccat ttaataaaagt ctcatgctga gagccaaaaa 100

<210> 56
 <211> 312
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <223> IMX2_71

<400> 56
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 acctctgttc ctgggccacc ctgcccgtgg gcaccctcta ccttggggca cgttctagca 180
 cccattcct gactcctgga agatgcactt gccccgacag ctgggcagca cggctgtcct 240
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 gaagcacaaa aa 312

<210> 57
 <211> 374
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

<223> IMX2_72

<400> 57

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ccagaaagtc tgctcctttt tgtagtcatc tatcttgagg tttctcaaac cacttttcat      180
gaaccagtga atattcaaga gaactaaatt tgaagtctgt acaaaagctt ctctttaaca      240
cgtgccataa tacactatct tctgctcgtc agtccttaac atctacctct ctgaatttca      300
tggatttctg tctcacaagg tttaactatt ttatatacac tggctgtagc atacaataaa      360
gcatcatcca aaaa                                           374
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<210> 58

<211> 251

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<223> IMX2_73

<400> 58

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ttgatgcctt gaggetctgt ctaccagcc tggccttggg aattgctgta gctccaagag      180
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aaaggtaaaa a                                           251
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<210> 59

<211> 248

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<223> IMX2_2

<400> 59

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gccagggaca tctgtgaggg gcaggccaat agccttcctg ggagcatcaa caaggcaggg      120
```

gagtatattg aagccagtta catgaacctg cagagaccat acacagtggc cattgctggg 180
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gccaaaaa 248

<210> 60
<211> 64
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<223> IMX2_3

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aaaa 64

<210> 61
<211> 121
<212> DNA
<213> Mus musculus

<220>
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<223> IMX2_34

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gcctcgctgg atgaggggct ctgctctaca gggtaaataa aagaaaagct ttttgacagc 120
c 121

<210> 62
<211> 219
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<223> IMX2_70

<400> 62
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tgcaactacc cccgcaagcc atccgtcttc accagggtct ccaactacat tgactggatc 120
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catagaaaag aaatagtaat aaagtaatta aagaatcac 219

<210> 63
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<220>
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<222> (46)..(46)
<223> V stands for A, C or G

<220>
<221> misc_feature
<222> (47)..(48)
<223> N stands for A, C, G or T

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<210> 64
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 64
aggtcgacgg tatcgg 16

<210> 65
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<220>
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<222> (16)..(16)
<223> N stands for A, C, G or T

<400> 65
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<210> 66
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 66
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<210> 67
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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<220>
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<223> N stands for A, C, G or T

<400> 67
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<210> 68
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 68
cgacggtatc ggcgcg 16

<210> 69
<211> 30
<212> DNA
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<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 69
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<210> 70
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<212> DNA
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<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 70
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<210> 71
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<212> DNA
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<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 71
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<210> 72
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<212> DNA
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<220>
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<400> 72
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<210> 73
<211> 30
<212> DNA
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<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 73
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<210> 74
<211> 30

<212> DNA
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 <220>
 <223> Description of Artificial Sequence: synthetic primer

 <400> 74
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 <210> 75
 <211> 30
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: synthetic primer

 <400> 75
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 <210> 76
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic primer

 <400> 76
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 <210> 77
 <211> 30
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: synthetic primer

 <400> 77
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 <210> 78
 <211> 30
 <212> DNA
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 <223> Description of Artificial Sequence: synthetic primer

 <400> 78

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30

<210> 79

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic primer

<400> 79

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<210> 80

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 80

gatcgaatcc ggaaaccccg aaaccaaacg

30

<210> 81

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 81

gatcgaatcc ggacggagga ccacccgtgc

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<210> 82

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 82

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<210> 83

<211> 30

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 <223> Description of Artificial Sequence: synthetic primer

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 <223> Description of Artificial Sequence: synthetic primer

 <400> 84
 gatcgaatcc gggcatccat gggttccaac 30

 <210> 85
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 <210> 87
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<210> 88
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<400> 89
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<400> 91
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<210> 92
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<223> Description of Artificial Sequence: synthetic primer

<400> 92

gatcgaatcc ggcgatgtac actcgggtca

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<210> 93

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic primer

<400> 93

gatcgaatcc ggcgcgatc tgtgtgaact

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<210> 94

<211> 30

<212> DNA

<213> Artificial Sequence

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<400> 94

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<210> 95

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic primer

<400> 95

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<210> 96

<211> 30

<212> DNA

<213> Artificial Sequence

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<400> 96

gatcgaatcc ggtgataaga gcaacttcgc

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<210> 97

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 <400> 99
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 <400> 100
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 <210> 101
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<400> 101
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<220>
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tcacggcccc gctcccattc c 21

<210> 104
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<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 104
ccaagtccca ggctgtctg tt 22

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<220>
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tggtctccac tgtagaaccc ccaaaa 26

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 <400> 108
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<210> 109
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<210> 110
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 <400> 110
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<210> 112
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<400> 112
atgaaaaata tggaaaatga taaaa 25

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<400> 113
ctaaaatggtt ctacagtgtg gttt 24

<210> 114
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<400> 114
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 <400> 115
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 <400> 116
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 <400> 118
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 <400> 119
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 <400> 120
 gcaggtgcat ggcacgtga 20

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 <400> 121
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 <400> 122
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<210> 123
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 <400> 123
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<400> 124
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<210> 128
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<400> 129

Gly Trp Gln Gly Ala Pro Asp Pro Arg Gly Leu Gly Gln Leu Ser Gln
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Pro Tyr Met Gly Gly Glu Met Pro Trp Thr Ile Leu Leu Phe Ala Ser
20 25 30

Val Pro Thr Trp Ile Leu Ala Leu Ser Leu Ser Leu Ala Gly Ala Val
35 40 45

Leu Phe Ser Gly Leu Val Ala Ile Thr Val Leu Val Arg Lys Ala Lys
50 55 60

Ala Lys Asn Leu Gln Lys Gln Arg Glu Arg Glu Ser Cys Trp Ala Gln
65 70 75 80

Ile Asn Phe Thr Asn Thr Asp Met Ser Phe Asp Asn Ser Leu Phe Ala
85 90 95

Ile Ser Thr Lys Met Thr Gln Glu Asp Ser Val Ala Thr Leu Asp Ser
100 105 110

Gly Pro Arg Lys Arg Pro Thr Ser Ala Ser Ser Ser Pro Glu Pro Pro
115 120 125

Glu Phe Ser Thr Phe Arg Ala Cys Gln
130 135